

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) An image forming apparatus comprising:

a reception section receiving a data broadcasting signal, said broadcasting signal including video information, print-out data and a control signal associated with ~~said print-out data~~;

a detection section detecting said print-out data and said control signal from said received data broadcasting signal;

a storage section storing said detected print-out data into a memory apparatus; and

an output section printing out said print-out data stored in said memory apparatus ~~at a predetermined timing of reproduction of said video information included in said data broadcasting signal based on said detected control signal in~~ response to a control signal including an instruction to start printing said print-out data stored in said memory apparatus.

wherein said control signal including an instruction to start printing is included in a broadcasting signal that is received at a time different from a time when a data broadcasting signal including said print-out data is received.

2. (Currently Amended) The image forming apparatus according to claim 1, wherein

in a case where said control signal including an instruction to start printing is detected in said detection section in a state where print-out is disabled, print-out of said print-out data is inactive on standby till ~~a second control signal associated with print-out is detected in said detection section~~ a print-out instruction is entered by a user after said state where print-out is disabled is cleared.

3. (Previously Presented) The image forming apparatus according to claim 1, further comprising:

a transition section, in response to detection of said print-out data in said detection section in a second state other than a first state where printout is enabled, transitioning said output section from said second state to said first state.

4. (Currently Amended) The image forming apparatus according to claim 1, further comprising:

an end detecting section detecting the end of data broadcasting from said a received data broadcasting signal; and

an erasure section, when the end of said data broadcasting signal is detected, erasing said print-out data stored in said memory apparatus.

5. (Currently Amended) A printing system comprising a data broadcasting receiving terminal and an image forming apparatus,

said data broadcasting receiving terminal including:

a reception section receiving a data broadcasting signal, said broadcasting signal including video information, print-out data and a control signal ~~associated with~~

~~said print-out data;~~

a detection section detecting said print-out data and said control signal from
said received data broadcasting signal;

a first notification section notifying said image forming apparatus of said
detected print-out data; and

a second notification section notifying said image forming apparatus of said
control signal; and

said image forming apparatus including:

a storage section storing said print-out data notified from said data
broadcasting receiving terminal by said first notification section in a memory
apparatus; and

an output section printing out said print-out data stored in said memory
apparatus ~~at a predetermined timing of reproduction of said video information
included in said data broadcasting signal based on said control signal notified from
said data broadcasting receiving terminal by said second notification section in
response to a notification of a control signal including an instruction to start printing
said print-out data stored in said memory apparatus.~~

wherein said control signal including an instruction to start printing is included
in a broadcasting signal that is received at a time different from a time when a data
broadcasting signal including said print-out data is received.

6. (Currently Amended) The printing system according to claim 5, wherein
~~said image forming apparatus further including a restoration section,~~ when
said control signal including an instruction to start printing is notified from said data

broadcasting receiving terminal by said second notification section in a state where print-out is disabled, ~~restoring said image forming apparatus from said state where print-out is disabled, and~~

~~said image forming apparatus is inactive on standby till a second control signal associated with print-out is notified from said data broadcasting receiving terminal by said second notification section after said image forming apparatus is restored by said restoration section from said state where print-out is disabled~~ a print-out instruction is entered by a user after said state where print-out is disabled is cleared.

7. (Currently Amended) The printing system according to claim 5, wherein

said image forming apparatus further including:

a transition notifying section notifying said data broadcasting receiving terminal of transition from a first state where print-out is enabled to a second state other than said first state, and

~~said data broadcasting receiving terminal further including a commanding section issuing a command for transition to said first state to said image forming apparatus based on said notification of transition to said second state from said image forming apparatus by said transition notifying section, when print-out data is detected from said received data broadcasting signal in said detection section~~

a transition section, when said print-out data is notified from said data broadcasting receiving terminal by said first notification section in said second state, transitioning said output section from said second state to said first state.

8. (Currently Amended) The printing system according to claim 5, wherein

said image forming apparatus further including:

a transmission section, ~~in a case where print-out is disabled after~~ when said print-out data is notified from said data broadcasting receiving terminal by said first notification section, transmitting a first time data, which is a time till the start of print-out is enabled, to said data broadcasting receiving terminal, and

said data broadcasting receiving terminal further including:

an extraction section extracting from said detected control signal a second time data, which is a time difference between a timing at which ~~broadcasting data~~ video information included in said data broadcasting signal is reproduced ~~from said detected control signal associated with print-out~~ and a timing at which said detected print-out data is printed out; and

a determination section determining a timing at which said ~~detected control signal associated with print-out~~ including an instruction to start printing is notified to said image forming section in said second notification section based on said first time data transmitted by said transmission section of said image forming apparatus and said extracted second time data.

9. (Currently Amended) The printing system according to claim 5, wherein

said data broadcasting receiving terminal further including:

an end detecting section detecting the end of data broadcasting from said received data broadcasting signal; and

an end notifying section notifying said image forming apparatus of said detected end of data broadcasting, and

said image forming apparatus further including:

an erasure section erasing said print-out data stored in said memory apparatus when said end of broadcasting is notified from said data broadcasting receiving terminal in said end notifying section.

10. (Previously Presented) A printing system comprising a data broadcasting receiving terminal and an image forming apparatus,

said data broadcasting receiving terminal including:

a detection section detecting print-out data and a control signal associated with said print-out data from a data broadcasting signal that said data broadcasting receiving terminal has received, the data broadcasting signal comprising the print-out data, the control signal and video information;

a notification section notifying said image forming apparatus of said detected print-out data;

a printing start notifying section, in a case where said detected control signal is a signal indicating a start of print-out of said print-out data, notifying said image forming apparatus of printing start data commanding said start of print-out of said print-out data, wherein said start of print-out is at predetermined timing that is a time difference between a timing at which video information included in said data broadcasting signal is reproduced and a timing at which said detected print-out data is printed out; and

a printing prohibition notifying section, in a case where said detected control signal is a signal indicating a prohibition of print-out of said print-out data, notifying

said image forming apparatus of printing inhibition data commanding said prohibition of print-out of said print-out data.

11. (Currently Amended) An information processing apparatus comprising:

~~an acquirement section acquiring a program from a predetermined access target;~~

a reception section ~~executing said acquired program to thereby receive~~ receiving information including video information, and print-out data and a control signal;

a separation section separating said video information and said print-out data from said received information;

~~a storage section storing~~ a transmitting section transmitting said separated print-out data ~~in a memory apparatus~~ to an image forming apparatus; and

a commanding section issuing a command for printing out said print-out data ~~stored in said memory apparatus~~ to said image forming apparatus at a ~~predetermined timing of reproduction of said separated video information in~~ response to a control signal including an instruction to start printing said print-out data,

wherein said control signal including an instruction to start printing is included in information that is received at a time different from a time when information including said print-out data is received.

12. (Previously Presented) A data transmission method comprising:

transmitting a data broadcasting signal comprising print-out data and video

information; and

transmitting a control signal associated with print-out of said print-out data together with said data broadcasting signal, linking with a predetermined timing at which said video information is reproduced, wherein said predetermined timing is a time difference between a timing at which video information included in said data broadcasting signal is reproduced and a timing at which said detected print-out data is printed out.

13. (Previously Presented) The data transmission method according to claim 12, wherein said video information is a video frame included in a moving picture, and

said control signal is a signal indicating at least one selected from the group of the start of print-out of said print-out data, prohibition of print-out of said print-out data, a time from when said video information is reproduced till print-out of said print-out data starts, erasure of said print data, and a condition for print-out of said print-out data.

14. (Currently Amended) A data transmission program ~~product~~ stored on a computer readable medium for causing a computer to execute data transmission processing comprising:

detecting print-out data from a received data broadcasting signal, the data broadcasting signal including video information;

~~detecting a control signal associated with said print out data from said received broadcasting signal;~~

sending out said detected print-out data to an image forming apparatus;

detecting a control signal including an instruction to start printing said print-out data from a received data broadcasting signal which is different from said received data broadcasting signal including said print-out data; and

issuing a print-out command for said print-out data to said image forming apparatus ~~at a predetermined timing of reproduction of said video information included in said data broadcasting signal based on said detected control signal in response to said control signal including an instruction to start printing is detected.~~

15. (Currently Amended) The data transmission program ~~produced~~ according to claim 14, wherein ~~causing a computer to execute said~~ data transmission processing further comprising:

detecting the end of said data broadcasting from said a received data broadcasting signal, and

commanding erasure of said print-out data to said image forming apparatus when said end of data broadcasting is detected.